

Title (en)

OPTICAL IMAGING LENS AND IMAGING DEVICE

Title (de)

OPTISCHE BILDGEBUNGSLINSE UND BILDGEBUNGSVORRICHTUNG

Title (fr)

LENTILLE D'IMAGERIE OPTIQUE ET DISPOSITIF D'IMAGERIE

Publication

**EP 3940442 A1 20220119 (EN)**

Application

**EP 20907069 A 20201221**

Priority

- CN 201911382075 A 20191227
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Abstract (en)

The disclosure relates to an optical imaging lens and an imaging device. From an object side to an image plane along an optical axis thereof, the optical imaging lens sequentially includes a first lens, a second lens, a third lens, a stop, a fourth lens, a fifth lens, a sixth lens and a filter. The first lens has a negative refractive power, a convex object side surface and a concave image side surface. The second lens has a negative refractive power, a convex object side surface and a concave image side surface; the third lens has a positive refractive power, a convex object side surface and a convex image side surface; the fourth lens has a negative refractive power, a concave object side surface and a concave image side surface; the fifth lens has a positive refractive power, a convex object side surface and a convex image side surface. The fourth lens and the fifth lens form a cemented lens group; the sixth lens has a positive refractive power, a convex object side surface and a convex image side surface. The optical imaging lens provided by the present disclosure has the advantages of miniaturization, low distortion, and focusing visible light and near-infrared light in the same image plane.

IPC 8 full level

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CPC (source: EP)

**G02B 1/11** (2013.01); **G02B 13/0045** (2013.01); **G02B 13/14** (2013.01); **G02B 13/18** (2013.01); **G02B 27/0012** (2013.01)

Cited by

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